

Shenzhen Etheta Communicate Ltd.

(Shenzhen R&D)

Customer: TCL Communication Ltd.

Project name: Lugh 4G

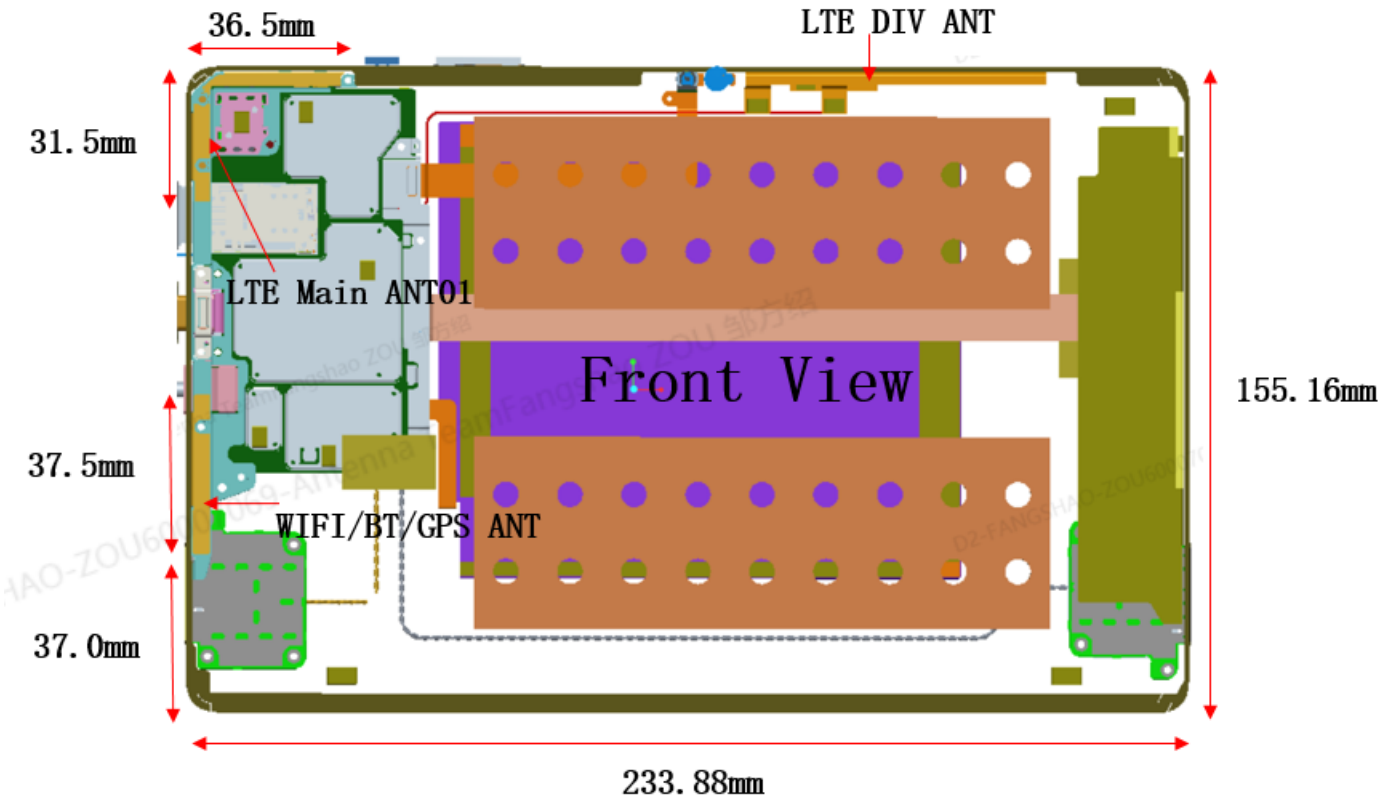
Material: FPC

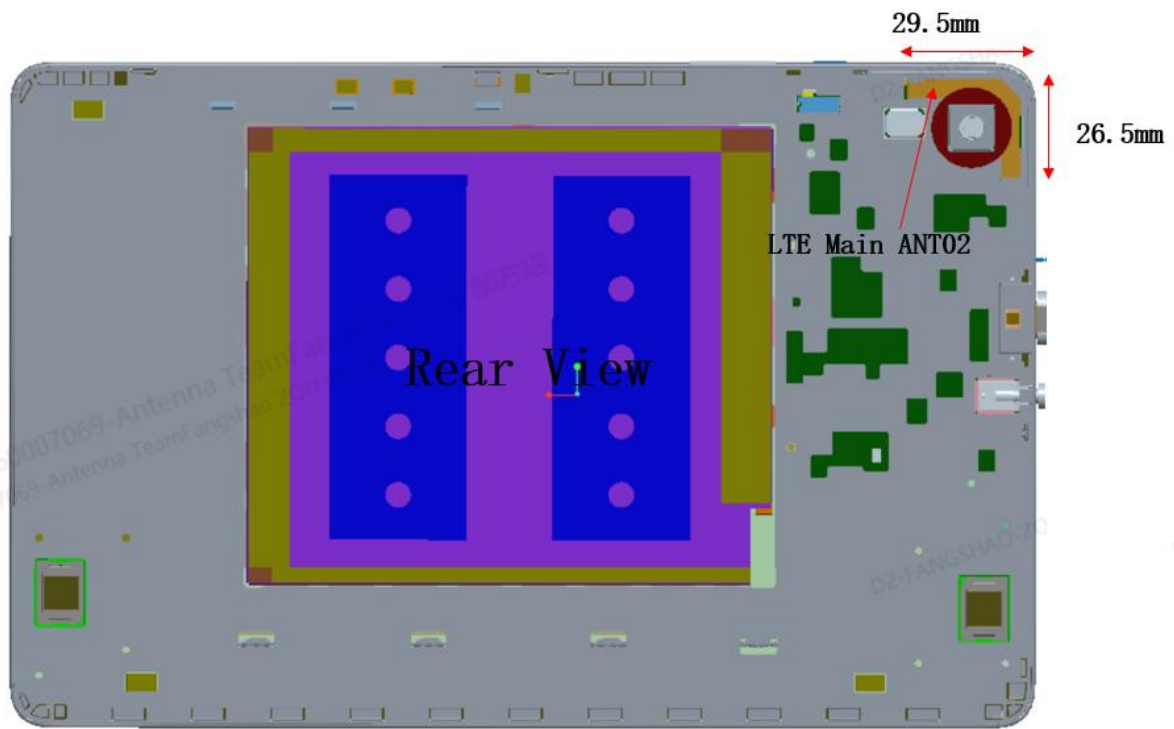
Date: 2025.04.11

tablet size	Length	Width	thickness	
	257.04mm	161.64mm	7.3mm	
	238.88	155.16	7.55	

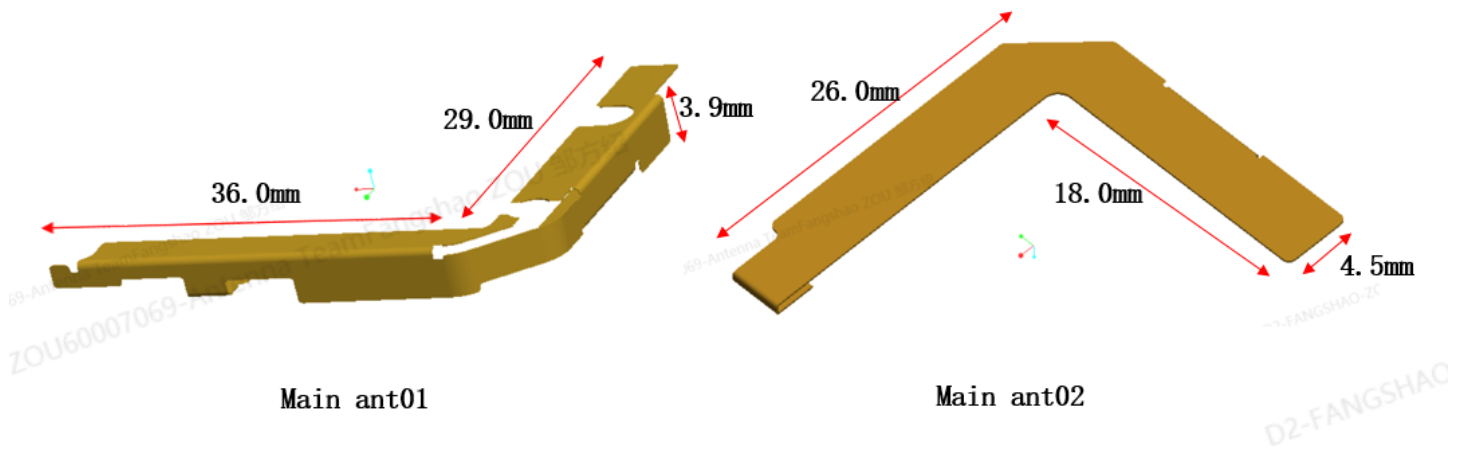
ANT	Name	Type	Material
LTE Main antenna	Lugh 10.1-MAIN1-HT-A Lugh 10.1-MAIN2-HT-A	IFA	FPC
LTE DIV antenna	Lugh 10.1-DIV-HT-A	IFA	FPC
WIFI/BT/GPS antenna	Lugh 10.1-3IN1-HT-A	IFA	FPC

Antenna area diagram:

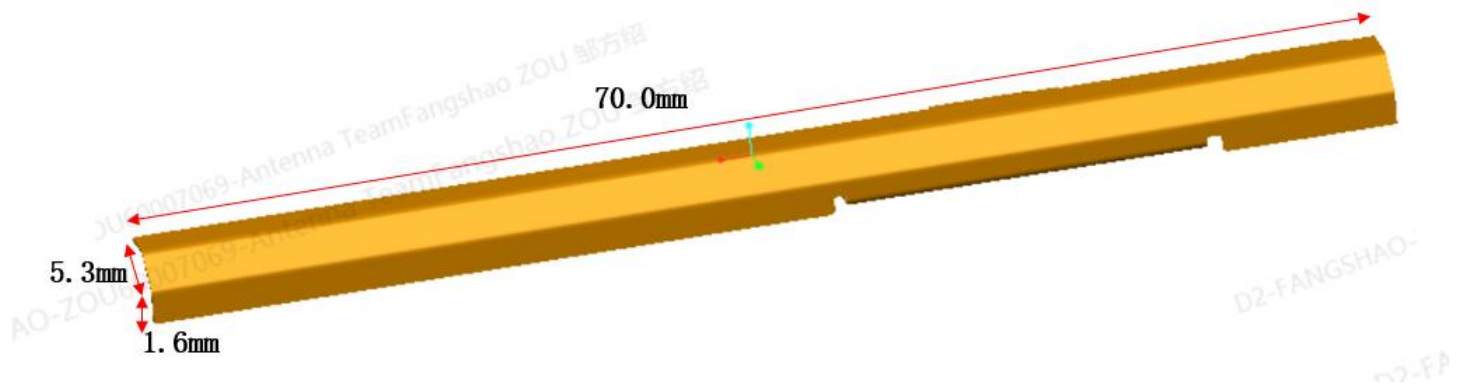




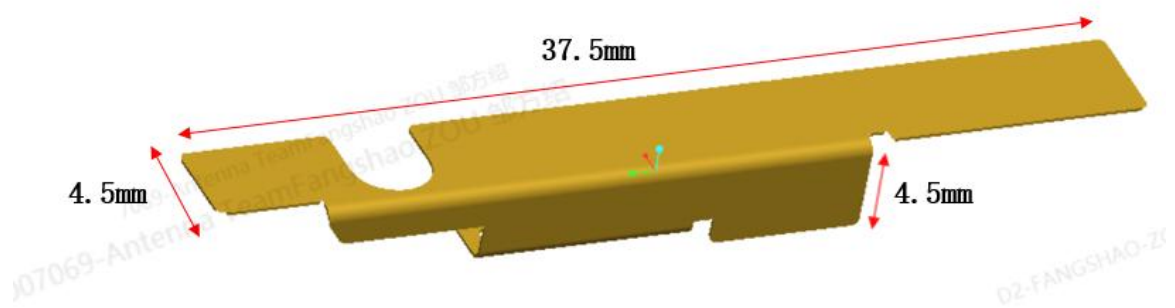
FPC Main antenna size:



FPC DIV antenna size:

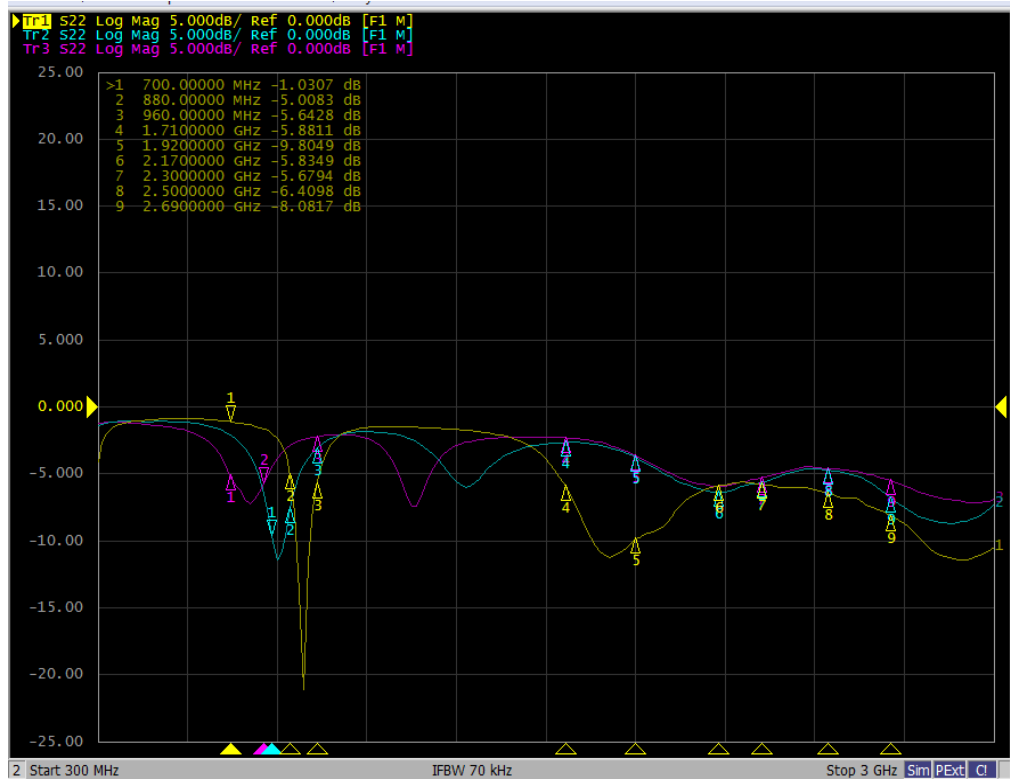


FPC WIFI/BT/GPS antenna size:

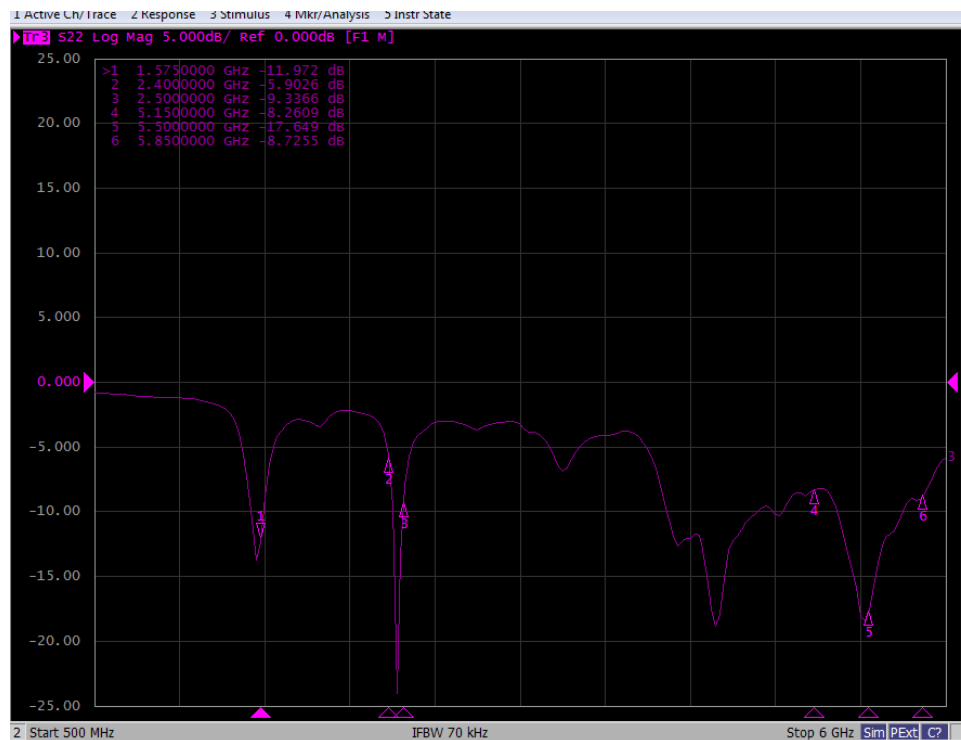


antenna specification		
Antenna	Pattern	Gain (dBi)
GPS	IFA	-4.5
WIFI 2.4G/BT	IFA	-1.5
WIFI 5G	IFA	-1.0
MAIN GSM850	IFA	-2.0
MAIN GSM900	IFA	-1.7
MAIN DCS1800	IFA	-0.9
MAIN PCS1900	IFA	-1.0
MAIN W1	IFA	-1.2
MAIN W2	IFA	-1.0
MAIN W4	IFA	-0.9
MAIN W5	IFA	-2.0
MAIN W8	IFA	-1.7
MAIN LTE 1	IFA	-1.2
MAIN LTE 2	IFA	-1.0
MAIN LTE 3	IFA	-0.9
MAIN LTE 4	IFA	-0.9
MAIN LTE 5	IFA	-2.0
MAIN LTE 7	IFA	-0.6
MAIN LTE 8	IFA	-1.7
MAIN LTE 12	IFA	-3.1
MAIN LTE 13	IFA	-2.6
MAIN LTE 17	IFA	-3.1
MAIN LTE 20	IFA	-2.0
MAIN LTE 28	IFA	-3.1
MAIN LTE 20	IFA	-2.0
MAIN LTE 34	IFA	-1.7
MAIN LTE 38	IFA	-0.3
MAIN LTE 39	IFA	-1.0
MAIN LTE 40	IFA	-2.1
MAIN LTE 41	IFA	-0.6
MAIN LTE 66	IFA	-0.9

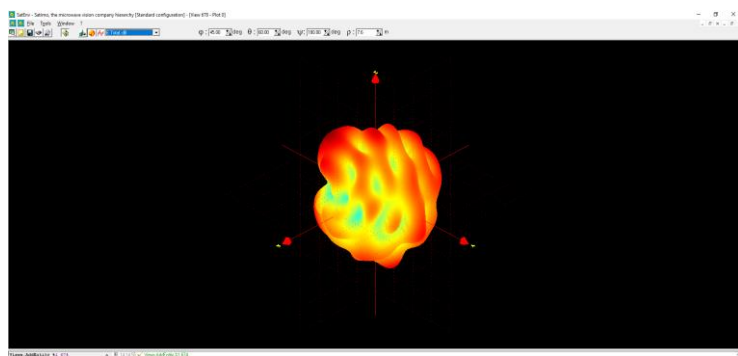
Main antenna S11



WIFI/BT/GPS S11:



Frequency=2450MHz:



Frequency=5500MHz:

